U.S. Department
of Transportation

**Federal Aviation
Administration**

# U.S. Department of Transportation

# Federal Aviation Administration

# Standard Practice

# List of Authorized Technical Operations Abbreviations

# FOREWORD

1.  This is the list of authorized technical operations abbreviations for use by all Departments of the Federal Aviation Administration (FAA).

2.  This list of authorized technical operations abbreviations applies to all FAA acquisitions subsequent to the date of this standard.

3.  Comments, suggestions, or questions on this document should be addressed to:

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**TABLE OF CONTENTS**

# LIST OF AUTHORIZED TECHNICAL OPERATIONS ABBREVIATIONS

The abbreviations contained herein are authorized for use on Technical Operations hardware and software. Single words may be combined when necessary if there is no abbreviation listed for the combination. For example, the abbreviation for "battery" and the abbreviation for "alarm" may be combined to form the word combination "BATT ALM." Authorized word combinations shall be used as such and shall not be separated for use singularly. For example, the word combination "air-to-air" is abbreviated as "A/A" but the letter A shall not be used singularly to mean "air".

**A**

| | |
|---|---|
| ACD | ARTS Color Display |
| ACFT | Aircraft |
| ACK | Acknowledge |
| ACP | Azimuth Change Pulse |
| A/D | Analog to Digital |
| ADAC | Analog Digital Analog Converter |
| ADJ | Adjustment |
| ADT | ATCRBS Decoder and Timing |
| A/G | Air to Ground |
| AGC | Automatic Gain Control |
| AGR | Automatic Gain Reduction |
| AIDC | ATS Inter-Facility Data Communications |
| AIG | Application Interface Gateway |
| ALM | Alarm |
| AMP | Amplifier |
| AMUX | Analog Multiplexer |
| ANT | Antenna |
| APPL | Application |
| ARIES | Aircraft Reply and Interference Environment Simulator |
| ARP | Azimuth Reference Pulse |
| ASDP | Advanced Signal Data Processor |
| ASIS | Airport Surveillance Radar-9 Serial Interface System |
| ASSY | Assembly |
| AT | Air Traffic |
| AUI | Attachment Unit Interface |
| AUX | Auxiliary |
| AZ | Azimuth |

**B**

| | |
|---|---|
| BATT | Battery |
| BCE | Beacon Code Extractor |

| | |
|---|---|
| BITE | Built-in-Test-Equipment |
| BLDG | Building |
| BRKR | Breaker |
| BRKT | Bracket |
| BTD | Beacon Target Detector |
| BTM | Beacon/Search Target Merge |
| BTTG | Beacon Test Target Generator |
| BVQ | Beacon Video Quantizer |

**C**

| | |
|---|---|
| CAB | Tower Cab Interlock |
| CB | Circuit Breaker |
| CCA | Circuit Card Assembly |
| CDR | Continuous Data Recording/Recorder |
| CENRAP | Center Radar ARTS Processing |
| CGW | Communication Gateway |
| CH | Channel |
| C/I | Correlation and Interpolation |
| CLK | Clock |
| CLR | Clear |
| CMD | Command |
| COHO | Coherent Oscillator |
| COMB | Combiner |
| COMM | Communication(s) |
| CTRL | Control |
| CONV | Converter |
| CP | Circular Polarization |
| CPDLC | Controller Pilot Data Link Communications |
| CPI | Coherent Processing Interval |
| CPLR | Coupler |
| CPU | Central Processing Unit |
| CRSW | Control Room Switch |
| CSB | Carrier Plus Sideband |
| CSS | Computer Subsystem |
| CTRL | Control |
| CTS | Clear to Send |
| CW | Continuous Wave |

**D**

| | |
|---|---|
| D/A | Digital to Analog |
| DASD | Direct Access Storage Device |
| DCD | Data Carrier Detect |

DCDR        Decoder
DCE         Data Communications Equipment
DET         Detector
DG          Display Generator
DIAG        Diagram
DIPLX       Diplexer
DISP        Display Processing
DJM         Dual Jack Module
DLY         Delay
DMUX        Digital Multiplexer
DNCONV      Down Converter
DPS         Data Processing System
DPSK        Differential Phase Shift Keying
DRAP        Data Reduction and Analysis Processor
DRPGUI      Display Recording Playback Graphical User Interface
DRPS        Display Recording and Playback Server
DSP         Digital Signal Processor
DSR         Data Set Ready
DTE         Data Terminal Equipment
DUPLX       Duplex
DVI         Digital Visual Interface
DYSIM       Dynamic Simulation

**E**

ECG         En Route Communications Gateway
ECS         External Communication Server
ECSSIMS     ECS Simulation Server
EMSD        Enhanced Mode-S Decoder
ENC         Encoder
ENV         Environmental
EQPT        Equipment
ERP         Effective Radiated Power
ERR         Error
ERSW        Equipment Room Switch
ESD         Electrostatic Discharge
ESM         Enterprise Storage Management
ESSP        Enhanced Site Support Processor
ETMS        Enhanced Traffic Management System
EXCTR       Exciter

**F**

FC          Fiber Channel

| | |
|---|---|
| FCPU | Facility Central Processing Unit |
| FDP | Flight Data Processor |
| FDPS | Flight Data Processing Server |
| FDX | Full Duplex |
| FEA | Front End Assembly |
| FIFO | First-In, First-Out |
| FLT | Fault |
| FM | Fault Monitoring |
| FPAP | Flight Plan and Processing |
| FREQ | Frequency |
| FS | Full Service |

## G

| | |
|---|---|
| GBIC | Gigabit Interface Converter |
| GEN | Generator |
| GND | Ground |
| GPIB | General Purpose Interface Board |
| GPI/O | General Purpose Input and/or Output |
| GPS | Global Positioning System |
| GPW | General Purpose Workstation |
| GRAM | Global Random Access Memory |
| GS | Glide Slope |

## H

| | |
|---|---|
| HDD | Hard Disk Drive |
| HFRO | High Frequency Radio Operator |
| HIST | History |
| HPA | High Power Amplifier |
| HV | High Voltage |

## I

| | |
|---|---|
| IACP | Improved Azimuth Change Pulse |
| IDENT | Identification |
| IF | Intermediate Frequency |
| ILLUM | Illuminate |
| INDEP | Independent |
| INHB | Inhibit |
| INTERR | Interrogation |
| INTFC | Interface |
| I/O | Input and/or Output |
| IP | Internet Protocol |

I/Q            In-Phase or Quadrature
ISG           Interrogation Signal Generator
ISLS          Interrogator Sidelobe Suppression
ITRI          Interrogator Interface

**J**

J              Jack
JB            Junction Box

**K**

KBD          Keyboard
KCRT        Keyboard Cathode Ray Tube
KVDT        Keyboard Video Display Terminal
KVM         Keyboard Video Mouse

**L**

LA            Line Adapter
LACOM      Line Adapter-Communication
LAMNT      Line Adapter-Maintenance
LAN          Local Area Network
LANRX        LAN Receive
LARDR        Line Adapter-Radar
LASMT        Line Adapter-Streaming Magnetic Tape
LASUR        Line Adapter-Surveillance
LBC          L-Band Converter
LCSU          Local Control Status Unit
LCU          Local Control Unit
LED          Light Emitting Diode
LLA          Low-Level Amplifier
LMPA          Low/Medium-Power Amplifier
LMT          Local Maintenance Terminal
LNK          Link
LO            Local Oscillator
LOC          Localizer
LOG          Logarithm
LP            Linear Polarization
LPA          Low Power Amplifier
LRU          Lowest Replaceable Unit
LSB          Least Significant Bit
LTI          Local Terminal Input
LVPS          Low Voltage Power Supply

**M**

| | |
|---|---|
| MAINT | Maintenance |
| MALF | Malfunction |
| MAX | Maximum |
| MCAGENT | MCP Application Software Module |
| MCPP | Monitor and Control Position Processor |
| MCS | Monitor and Control Server |
| MCW | Monitor and Control Workstation |
| MDI | Maintenance Display Indicator |
| MDT | Maintenance Data Terminal |
| MEM | Memory |
| MFR | Manufacturer |
| MIN | Minimum |
| MIOP | Maintenance Input/Output Processor |
| MIP | Message Interface Processor |
| MON | Monitor |
| MSAW | Minimum Safe Altitude Warning |
| MSB | Most Significant Bit |
| MSDP | Multi-Sensor Data Processor |
| NVMEM | Nonvolatile Memory |

**N**

| | |
|---|---|
| NA | Non-applicable |
| NEG | Negative |
| NIC | Network Interface Card |
| NTS | Network Time Server |
| NUNIO | Network Universal Input/Output |
| NVMEM | Nonvolatile Memory |

**O**

| | |
|---|---|
| OLC | Online Certification |
| OPEX | Operational Exerciser |

**P**

| | |
|---|---|
| PAC | Processor Augmentation Card |
| PAM | Pulse Amplitude Modulation |
| PC | Personal Computer |
| PCI | Peripheral Component Interconnect/Interconnection |

PCU   Power Conditioning Unit
PDU   Power Distribution Unit
PED   Pedestal
PFN   Pulse-Forming Network
PLL   Phase Lock(ed) Loop
PMDT   Portable Maintenance Data Terminal
P/N   Part Number
POS   Positive
POST   Power-On Self-Test
PP   Post Processor
PPS   Pulse Per Second
PRETRIG   Pre-Trigger
PRI   Primary
PROC   Processor
PS   Power Supply
PSM   Power Supply Module
PSR   Primary Surveillance Radar
PSU   Power Supply Unit
PWR   Power

## Q

QSLSA   Quantized Side Lobe Suppressed ATCRBS
QSLSD   Quantized side Lobe Suppressed Mode S
QSUMA   Quantized Sum Channel ATCRBS Signal
QSUMD   Quantized Sum Channel Model S Signal

## R

RAD   Radiate
RAG   Range Azimuth Gate
RCF   Radio Communication Failure
RCSU   Remote Control and Status Unit
RCU   Remote Control Unit
RCVR   Receiver
RD   Range Delay
RDM   Remote Display Multiplexer
RDP   Radar Data Processor
RDR   Radar
RDY   Ready
REF   Reference
REFLD   Reflected
REG   Regulator
REV   Revision

| | |
|---|---|
| RF | Radio Frequency |
| RFSTC | Radio Frequency Sensitivity Time Curve |
| RFTTG | Radio Frequency Test Target Generator |
| RFW | Router Firewall |
| RGB | Red, Green, Blue |
| RMS | Remote Maintenance Subsystem |
| RMT | Remote |
| RSCIP | Remote Surveillance and Communications Interface Processor |
| RSCP | Radar Signal Control Processor |
| RSG | Remote Site Gateway |
| RSIOP | Radar Surveillance Input/Output Processor |
| RSPS | Recording Simulation and Playback Support |
| RTN | Return |
| RTR | Router |
| RTS | Request to Send |
| RV | Radar Video |
| RVP | Radar Video Processor |
| RVSM | Reduced Vertical Separation Minima/Minimum |
| RX | Receive |
| RXC | Receive Clock |
| RXD | Receive Data |

**S**

| | |
|---|---|
| SAN | Storage Area Network |
| SATA | Serial Advanced Technology Attachment |
| SB | Sideband |
| SBC | Single Board Computer |
| SBO | Sideband Only |
| SCIP | Surveillance and Communications Interface Processor |
| SCU | System Control Unit |
| SDPS | Surveillance Data Processing Server |
| SEL | Select |
| SIF | Standard Interrogation Format |
| SIL | Silence |
| SK | Socket |
| SMR | Surface Movement Radar |
| SMRI | Surface Movement Radar Improved |
| SMRR | Surface Movement Radar Raytheon |
| S/N | Serial Number |
| SNCS | Synchronization Server |
| SPI | Special Position Indicator/Indication/Identifier |
| SPP | Supervisor Position Processor |
| SRAP | Sensor Receiver and Processor |

| | |
|---|---|
| SRE | Security Related Event |
| SRTQC | Surveillance Real-Time Quality Control |
| SS | Support Subsystem |
| SSS | Site Support Server |
| SSWP | Support Specialist Workstation Processor |
| STALO | Stable Local Oscillator |
| STBY | Standby |
| STC | Sensitivity Time Control |
| STU | System Timing Unit |
| SUM | Main transmit/receive beam |
| SUPS | Support Server |
| SURV | Surveillance |
| SVGA | Super Video Graphics Array |
| S/W | Software |
| SW | Switch |
| SYNTH | Synthesizer |
| SYNC | Synchronizer |
| SYNCP | Data Synchronizer Processor |
| SYNCSRV | Synchronization Server |
| SYS | System |

**T**

| | |
|---|---|
| TDW | Tower Display Workstation |
| TEMP | Temperature |
| TGT | Target |
| TOY | Time of Year |
| TP | Test Point |
| TRIG | Trigger |
| TSP | Time Synchronization Pulse |
| TWT | Traveling Wave Tube |
| TX | Transmit |
| TXD | Transmit Data |

**U**

| | |
|---|---|
| UATR | Universal Access Transceiver Receiver |
| UNAVAIL | Unavailable |
| UPCONV | Up Converter |
| UPS | Uninterruptible Power Supply |
| USB | Universal Serial Bus |
| UTC | Coordinated Universal Time |
| UV | Undervoltage |

**V**

| | |
|---|---|
| VGA | Video Graphics Array |
| VID | Video |
| VME | Versa Module Eurocard/Europa |
| VOL | Volume |
| VP/M | Video Processor and Monitor |
| VS | Voice Switch |
| VSWR | Voltage Standing Wave Ratio |
| VTABS | VSCS Training Backup Switch |

**W**

| | |
|---|---|
| WAN | Wide Area Network |
| WAV | Winds Aloft View |
| WDOG | Watchdog |
| WG | Wave Guide |
| WMSCR | Weather Message Switching Center Replacement |
| WSP | Weather System Processor |
| WX | Weather |

**X**

| | |
|---|---|
| XB | X-band |
| XBC | X-Band Converter |
| XCVR | Transceiver |
| XMTR | Transmitter |

**Y**

No authorized abbreviations

**Z**

No authorized abbreviations